

FreeBSD, Business & Praxis



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FreeBSD in der Praxis

- Verwendung seit 1994
- Im Produktiveinsatz seit FreeBSD 2.2.5
 - Firewall
 - Mailserver
 - Webserver
 - Fileserver (Samba, NFS)

Warum FreeBSD?

- BSD Lizenz
- Vollständiges System
 - Kernel
 - Userland
 - Ports
- Stabilität
 - RELEASE
 - STABLE
 - CURRENT

Warum FreeBSD?

- FreeBSD Community
- Funktionen
 - Jails
 - GEOM
 - ZFS
 - PicoBSD, NanoBSD, ...
- Security
- No Hype

FreeBSD Lizenz

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Installation

- Basissystem von CDRROM oder USB < 10 min
- 3rd Party Software
 - `pkg_add -r apache22`
 - `cd /usr/ports/www/apache22; make install`
 - `portmaster -i www/apache22`

3rd Party Software (Ports)

- mehr als 22000 Ports
- Ports unabhängig von Release (LTS)

Updates und Upgrades (LTS)

```
# freebsd-update fetch
```

```
# freebsd-update install
```

```
# freebsd-update upgrade -r 8.2-RELEASE
```

```
# freebsd-update install
```

```
# cd /usr/src; make buildworld; make installworld
```

```
# cd /usr/src; make buildkernel; make installkernel
```


Updates und Upgrades (Ports)

```
# portsnap fetch update
```

```
# portmaster rsync-3.0.2
```

```
# portupgrade rsync-3.0.2
```

Security Audit (Ports)

portaudit -Fda

Affected package: mailman-2.1.14

Type of problem: mailman -- XSS vulnerability.

Reference: <<http://portaudit.FreeBSD.org/64691c49-4b22-11e0-a226-00e0815b8da8.html>>

portmaster mailman-2.1.14

Anwendungen

- Firewall
 - ipfw & natd
 - VPN (IPSec, OpenVPN)
- Proxy
 - Squid
- Mail-Relay
 - Postfix
 - Amavisd-new
 - ClamAV
 - SpamAssassin

Anwendungen

- Mailserver
 - Cyrus IMAPD
- Webserver
 - Apache
 - Lighttpd
 - MySQL
 - PHP

Anwendungen

- Fileserver
 - ZFS
 - NFS
 - Samba